What is claimed is:

1. A software materialization platform comprises:

    a build-in communication module, which is a duplex communication module programmed and burned in the system EPROM, wherein parameters can

5   be configured by the user to generate a corresponding server program for receiving the outstanding data from the network;

    a data dispatcher, which receives data from the communication server, and dispatches the data according to its format to a certain modular data processor;

    a build-in database access module, which is utilized, when the modular data

10   processor need to access the data of the database, to communicate with the external database using the build-in database access module;

    a data register, whose function lies primarily in detaching each module with various functions from the modular data processor and facilitating data exchange with each other in the presence of data registers to raise the common function of

15   the modular data processor;

    a internal & external device, whose major function comprises of connecting the modular data processor to the system, reading the data from the system for carrying out the interpreting operation, transferring data through the device and other modular data processors, or returning the result to the system;

20   a modular data processor, provided with a small-scale CPU (central processor modular) and memory, wherein the user can transcribe the application system to the modular data processor for execution, and plug the modular data processor in the device for carrying out the data input and output via the device;

    a simple operating system, exhibiting no complex features associated with

25   the conventional operating system, and comprising just a simple function for

system startup, loading the build-in modules, environment initialization and maintaining the configuration file present in the static memory; and

a system monitor, for checking through the internal status of the system and system devices, or for modifying the configuration parameters via the system monitor tools if requires.

2. A software materialization platform of claim 1, wherein said protocol module of said build-in communication module includes TCP/IP, X25, ASYNC, SNA (a proprietary protocol of IBM computer product series).

3. A software materialization platform of claim 1, wherein the integration capability of the processor can be directed against the modular data processor developed by various software and hardware vendors, and the primary input/output data format is the only thing need to be recognized such that it can be referenced by other modular data processors even after several years

4. A software materialization platform of claim 1, wherein said generation of the data register is created by the system automatically by creating a block in the memory according to the requirements recorded in the data format & the device name file, and copying the memory address of the block into the data format & device name file.

5. A software materialization platform of claim 1, wherein said internal device is connected directly to the board and the chassis via the electronic circuit.

6. A software materialization platform of claim 1, wherein said external device is designed to connect to the system via circuit lines for future expansion.

7. A software materialization platform of claim 1, wherein the function of said data register enables the modular data processors with the same function to access the data in the same address, and thus achieve the functions of auto-balance load

and mutual backup.

8.   An artificial neuron computer system comprises a design framework in which, as any computer in the same group received an un-interpretable data, the computer can find out, from the group of computers, the modular data processor

5   capable of interpreting the data format and processing by the function of mutual learning in the group of computers.

9.   An artificial neuron computer system of claim 8, wherein each computer in the group, at starting up, exchanges mutually the data format & device name file with other computers in the same group such that it is easy to know every

10   computer in the group including which device in each computer can process which kind of data format, and that the system actively inform every computer in the group if any change occurs to achieve the status update.